

Item	Make	Model	Qty	Notes
Network cables	N/A	CAT6 solid non-plenum	77	Data lines from the wall ports and ceiling of each classroom pulled to the switch rack
Wall Plates	Panduit	CFPL2EIY	32	wall plates- 2 ports each, 4 per classroom, 1 on each wall
Cable jacks	Panduit	CJ688TGRD	141	Red CAT6 network jacks for room wallplates and termination panels in rack
Wall Cabinet	APC	AR100HD	1	Wallmount network cabinet to hold switches, UPS, cabling, etc. ** Needs single-gang duplex AC receptacle within 2 feet.
Fiber patch panel	N/A	N/A	1	installed in rack, make/model is irrelevant, must be terminated with LC OM4-rated connectors, support 6 pair min.
Fiber optic cable	N/A	OM4 armored	1	OM4 12 strand/6 pair minimum, must be armored or installed in hard conduit. Connects wall rack to main server room
Patch Panels	Panduit	CPPL24WBLY	4	1 each installed in rack above and below network switches
UPS	Tripp-Lite	SMART1500RM2U	1	Battery backup & surge suppressor
Network switch	Aruba	JL809A	2	48 ports, 2 10GBE, 2 SFP+, 600W PoE+ Class 4 & 6
SFP+ 10GBe	Aruba	J9150D	4	10Gbit OM3 MMF transceiver, 300m
1m fiber patch cord	N/A	N/A	2	OM4 MMF LC/LC patch cord
5m fiber patch cord	N/A	N/A	2	OM4 MMF LC/LC patch cord
6" CAT6 patch cord	N/A	N/A	77	6 inch CAT6 patch cables
WiFi Access Point	Aruba	AP-515-US	8	Wireless access point
Ceiling bracket	Aruba	Q9G69A	1	Aruba AP-5xx series suspended ceiling mounting bracket - 10 pack
AP license	Aruba	JW472AAE	8	HPE Aruba LIC-AP Controller - Capacity License - 1 Access Point
AP license	Aruba	JW473AAE	8	HPE Aruba Policy Enforcement Firewall - License - 1 Access Point
AP Support	Aruba	H8FP1E	8	HPE Foundation Care Software Support 24x7 - technical support - for Aruba PEF
Switch	Aruba	JL809A#ABA	5	
transceiver	Aruba	J9150D	7	
transceiver	Aruba	R9D18A	6	
module	Aruba	J9993A	2	